

**Report Date:** 18 Mar 2015

**Summary Report for Individual Task**  
**552-718-1001**  
**DIRECT AIRCRAFT USING HAND AND ARM SIGNALS (AVN)**  
**Status: Approved**

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**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD6** - This product/publication has been reviewed by the product developers in coordination with the FORT RUCKER, AL / USAACE foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

**Condition:** Given an operational aircraft, one aviation maintainer, FM 21-60, hearing protection, safety goggles and the unit SOP while in an Operational Environment. Some iterations of this task should be performed in MOPP 4.

**Standard:** Direct aircraft using hand and arm signals IAW with FM 21-60 and unit SOP. Use appropriate PPE, safely facilitate the Pilot in Command in properly positioning the aircraft.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Sometimes

Task Statements
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**Cue:** You have been directed to ground guide your aircraft to the assigned parking location.

**DANGER**

Aviation operations are inherently dangerous. Be aware of hazards and unsafe conditions in your work area.

WARNING
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None

CAUTION
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None

**Remarks:** None

**Notes:** None

## **Performance Steps**

### **1. Direct aircraft using hand and arm signals.**

a. Choose landing site.

b. Mark landing site for day or nighttime use.

c. Position yourself for marshalling.

(1) Don safety equipment.

(2) Assume a position 20 to 40 meters and slightly to right of the aircraft.

d. Properly execute hand and arm signals with or without flash lights.

(1) signal aircraft to assume guidance.

(2) signal aircraft to hover.

(3) signal aircraft to land.

(4) signal aircraft to move upward.

(5) signal aircraft to move downward.

(6) signal aircraft to move right.

(7) signal aircraft to move left.

(8) signal aircraft to move ahead.

(9) signal aircraft to move rearward.

(10) signal aircraft to stop.

(11) signal aircraft to go around, do not land.

(12) signal aircraft to release (external load).

(13) signal aircraft that hookup (was) complete.

(14) signal aircraft to depart.

(15) signal aircraft to spot turn right, as required.

(16) signal aircraft to spot turn left, as required.

### **2. Safely guide the helicopter as directly as possible to the landing site.**

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the Soldier a GO if all performance measures are passed. Score the Soldier a NO-GO if any performance measure is failed.

1. If an individual commits more than one safety violation, they are an automatic failure.

2. Any negligent damage to the aircraft is an automatic failure.

3. Safety:

a. Evaluator will ensure proper adherence to all Warnings, Cautions and Notes listed in the references for the task.

b. Evaluator will ensure all required PPE for the task is on hand. Non-use will constitute a safety violation.

c. Watches, rings and other loose jewelry (such as ID tags) will constitute a safety violation if not removed prior to task start.

d. Evaluator will pause evaluation to identify safety violations and require corrections before allowing task to continue.

4. Proper Tool Usage: Evaluator will monitor for proper tool usage. When a Soldier is observed using an improper tool, as specified in the IETM, the evaluator will point out the error and require correction.

5. Tool Inventory:

a. Evaluator will monitor compliance for tool inventory prior to task start. If inventory is not conducted, evaluator will pause task and require completion of inventory.

b. Evaluator will monitor compliance for tool inventory at task completion. If inventory is not conducted, evaluator will pause task and require completion of inventory.

6. Reference Usage: Simply having the reference open to the appropriate task/page does not constitute proper reference usage. The Soldiers must be observed using the reference to accomplish task steps, procedures and specifications.

**Evaluation Preparation:** Setup: An aircraft, Field Manual, PPE, and required personnel.

**Brief Soldier:** Tell the Soldier that they must safely direct the aircraft IAW SOP, safety procedures, and applicable references.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Directed aircraft using hand and arm signals.			
2. Safely guided the helicopter as directly as possible to the landing site.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	FM 21-60	Visual Signals	Yes	Yes

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

It is the responsibility of all Soldiers and DA Civilians to protect the environment from damage. Use and dispose of hazardous materials and hazardous waste IAW local procedures, and comply with local, state, and federal or host nation regulations. Read the Safety Data Sheet (SDS) prior to using a hazardous material. Use appropriate individual protective equipment when working with/handling hazardous materials/waste.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

**Low Risk:** It is the responsibility of all Soldiers to perform their duties in the safest manner possible. Read and follow, warnings, and notes in the technical publications. Comply with your unit safety SOP. Use appropriate individual protective equipment for the task being performed. Personnel must comply with all TMs and TBs; Warnings, Cautions, and Notes; applicable ARs; unit safety policies and procedures; shop safety practices; and risk assessment control measures.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :** None